1. If m = (2)^(-3) * (3)^(-4) * (5)^(-5) then what is the value of (2)^(-6) * (3)^(-8) * (5)^(-10)?

2. A box contains 10 bulbs, out of which 2 are defective. If 3 bulbs are chosen at random, then what is the probability that at least one of these is defective?

3. Given that A, B and C working together completes a work in 9 days. If B and C working together completes the same work in 12 days, then in how many days A alone can complete the work?

4. Given [x * (y)^2] < 450 and if x and y are prime numbers greater than 3, then what is the maximum possible value of y?

5. Given that a vending machine dispenses gumballs in a regularly repeating cycle of ten different colors. If a quarter buys 3 gumballs, what is the minimum amount of money that must be spent before three gumballs of the same color are dispensed?
(Similar to this)

6. Col A: Standard Deviation of x1, x2, x3, x4, x5
Col B: Standard Deviation of x1 + 5, x2 + 5, x3 + 5, x4 + 5, x5 + 5

1. **m square**
   3. 36 days
   4. 7
   5. 5 dollars and 1 quarter
   6.C

1.m^2

2.1-(8C3/10C3)

3.36

4.7

5.need 21 gumbles,so (21*0.25)/3=1.75$

6.C

Quant:

1. Which of the following is greatest?
A. 10^100 + 2^ 100
B. 100^10 + 2^ 10
C. (100+2) ^10
D. (10+2)^ 100
& so on……

2. If 2^(x^2 +5x) =2, then what is the value of x?

3. If m = (2)^(-3) * (3)^(-4) * (5)^(-5), then what is the value of (2)^(-6) * (3)^(-8) * (5)^(-10)?

4. There is a bag which consists of 10 bulbs, out of which 2 is defective. If 3 bulbs are chosen at random without replacement, then what is the probability that none of the three bulbs selected are defective?

5. In a Isosceles triangle STU, the sides ST = SU and 'p' is any point on UT, then which of the following might be true?
I. ST > PS
II. PU > ST
III. PS > PT
A. Only I
B. Only II
C. Only III
D. Only I and II
& so on……..

6. There are 67 children in a community. If 52 like biking, 21 like skating and 12 like both, then number of children who like neither biking nor skating?
(Similar to this)

7. Given Set P = {1.3, 0.9, 1.5, 1.1} and
Set Q = {1.3x, 0.9x, 1.5x, 1.1x}, then
Col A: Standard deviation of P
Col B: Standard deviation of Q
(Similar to this)

8. Given that there are 3 hooks and 5 pictures, find the numbers of ways to select 3 picture combinations?
(Similar to this)

1)umm kindly xplain!

2)i got the quadritic equation x^2+5x-1 (correct me if m wrong plz)

3)m^2

4)1-(8c3/10c3)

5)A(correct me if am wrong here m nt sure abt dis)

6)n=18

7)A

8)10 (m nt sure abt dis either)I calculated only combination nt permutation...do we have to find dat too??

.....whoever post the answer next please xplain it step wise.....

Thanx!!

6. Ans 8
7. C

Correct me if I am wrong.

5. all three can be possible as length of third leg can be anything,check it.

6. A U B = 61 so final ans 67-61 = 6

7. if x=1 then ans is C otherwise as it is in multiplication ans could be anything. so ans is D

first among 10 leaving 2 faulty..we are choosing from 8 so
(8/10)*(7/9)*(6/  =(1/15) apprx
m I right??

x^2+5x-1=0
to get ans to this equa we can use that formula..??
(-b+/-root of b^2-4ac)divided by 2a

to get ans as..
(5/2)+/-((root21)/2)

get me?? m I right??

1. a
coz 10^100+2^100= 100^99+2^100.... which is highest of of all da options...
5.a
6. ans is " 6 "

In first question..option D is definitely greater than A
a^x+b^x<<(a+b)^x..
as
(a+b)^2=a^2+2ab+b^2..here 2ab term added to a^2+b^2..
get me??

pls explain..5th one

1.D ,but wats the trick?

2.boring

3.m^2

4.(8/10)*7/9 *6/8=7/15

5.the question asks which might be true(not must be)
it seems all might be true

6.6

7.if for col A SD is say P,then for col B its P*x
so it depends on X
hence D
8.5p3=60,5C3=10 ??I think 5P3 though the question asks combination

Quant:

1. Given that a salesman gets 12% commission on the sales upto $500 and he gets 20% commission on further sales amount on that day. If the salesman's total commission is $380 on that day, then how much amount did he sell on that day?

2. Col A: 10% [sqrt(573.28)]
Col B: sqrt(57.328)
(Something like this)

3. Given m=(2)^(-3) * (3)^(-4) * (5)^(-5), then what is the value of (2)^(-6) * (3)^(-8) * (5)^(-10) in terms of m?.

4. If|3x+2| = 8
Col A: |X|
Col B: 3

5. Given that three persons X, Y and Z working together, takes 9 hours to complete a work. If 'Y' and 'Z' working together takes 12 hrs to finish the same job, then how much would 'X' take to finish that same work alone?

6. Col A: 2/[(1/3)/(1/3)]
Col B: 2/[1/(3/(1/3))]

7. The value of 2/1/1/2 is ……?

8. Given a line which has slope -5/8 and passes through the points (4, 3) and (2, k). Find the value of K?

9. If a Rectangular plate can hold 3 cubic feet, then
Col A: The number of cubic yards that 100 such plates can hold
Col B: 13

10. There is a series of numbers 5, 12, 26……till 100 terms. Which of these cannot be a term of the series?
A. 57
B. 75
C. 96
D.89
E. 47

11. Given 1 < xy < 4 and 1 < y < 2,
Col A: x
Col B: 2

12. If 0 < t < u < v, then
Col A: Median of t, u, v
Col B Mean of t, u, v

13. Given k and n are two positive even integers
Col A: The remainder when k^(2) + n is divided by 2
Col B: The remainder when k^(n + 2) + 2 is divided by 2

14. Given RST as an isosceles triangle and RS = ST. 'P' is a point on RT. Which of the following is true?
I. SP<RS
II. SP>RT
III. SP < PT
A. Only I
B. Only III
C. I and II
& so on…….

15. Given two sets X1 = {7, 8, 9, 10, 11} and X2 = {25, 26, 27, 28}. For X1 + X2, how many different numbers will be generated?

16. Col A: 1/2 + 1/3 + 1/4
Col B: 1/1

17. A rectangular sheet is divided into unequal squares with total number of rows in the rectangle 'n' and columns 'n+2'. If the minimum value of n is 21, then
Col A: The area of the square present in the 15th row and 18th column
Col B: n^2

18. Two spheres have their volumes as 4Y and 3y, where y is some integer.
Col A: The ratio of their radius
Col B: 4/3

1. 2100
2. B
3. m^2
4. D
5. 36

6. B
7. 4
8. 17/4
9. pls some one explain how to solve
10. A
11. D
12. D
13. C
14. A
15. 8
16. A
17. B (may be)
18. B

I agree with Pitkaguru on all answers, barring #9 (did not answer) and 11.

9. 1 ft = 3 yards
So, 1 ft^3 = 9 yards ^3

1 plate can hold 3 ft^3
So, 100 plates can hold: (100 * 3) ft^3 = (100 * 3) / 9 = 33.33 yards^2
Col A > Col B

11. Given: 1 < xy < 4 and 1 < y < 2
The extreme values for y = 1.01 and 1.99
Case i: y = 1.01
x = 4/1.01 = 3.96
Case ii: y = 1.99
x = 4/1.99 = 3.96
As y ranges from 1.01 to 1.99, values of x ranges from 2.01 to 3.96
So, x > 2 (how great we need not know to answer the question)
Answer is A (Column A > Column B)

--

15. Answer is 8 (I agree with Pitaguru)

I think 9th qs.
1 yard = 3 ft.
1 cubic yard = 27 cubic ft.
1 cubic ft. = 1/27 cubic yard

1plate --> 3 cubic ft.
1 pate can hold 3/27 cubic yard

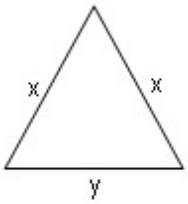
hence 100 plates cn hold 100/9 = 11.11 cubic yard

GRE Aspirant 87 is right on! 3^3 is 27 not 9 as I calculated. Thanks.

10. Consider the seq 5,12,26.....
12 - 5 = 7
26 - 12 = 14
so apply the same to get the series.....
which is 5,12,26,33,47,54,68,75,89,96,110
The options given are
57,75,96,89,47
Answer : A

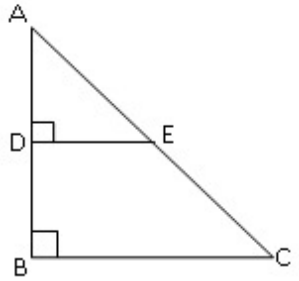
Quant:

1.



If the value of x is 30, then what is the range of y?
(Similar to this)

2.



Given 'D' and 'E' are midpoints of AB and AC.
Col A: Area of Quadrilateral BDEC
Col B: 3(Area of triangle ADE)

3. If x < y, then
Col A: x^2
Col B: y

4. Given three vertices of a triangle in X-Y plane as (a, b-3), (a, b) and (a + 5, b-3). Find the area of the triangle?

5. If mod(x + 3) = mod(y + 5), then what is the range of y?

6. A truck carrying cartons goes from 'A' to 'B', like this it carries a total 2000 cartons in 10 rounds. If he carries 'x' cartons in each trip, which is the full capacity of the truck and the left cartons are taken in 10th round, then
Col A: Number of cartons carried in 10th round
Col B: 210
(Something like this)

7. If a rectangular plate can hold 3 cubic feet, then
Col A: The number of cubic yards that 100 such plates can hold
Col B: 13

8. Given three persons X, Y and Z working together, takes 9 hours to complete a work. If 'y' and 'Z' working together takes 12 hrs to finish the same job, then how much time would 'X' take to finish the same work alone?

1. the range should be: **y should be greater than zero but less than 60**

2. **B**

3. **D**

4. **Area= 7.5 units**

5. Could someone give an explanation on how to solve this question?

6. **D**

7. Could someone give an explanation on how to solve this question?

8. **X would take 36 hours to finish the work all alone.**

1. 58 3rd side must be less than 60 and >1 so (59-1)
2. C
3. D
4. 15/2
5. 2(X+5)
6. D
7. ?????
8. 36

1. 0<y < 60
2. B
3. D
4. 7.5
5. -x-8 < y < x-2

|x+3|=|y+5|
If x<0
x+3=-y-5

y=-x-8
If x>0
x+3=y+5
y=x-2

6. B

7. B

col A: 3*100/(3*3*3)=11.11
8. 36 days

for Q4. Given three vertices of a triangle in X-Y plane as (a, b-3), (a, b) and (a + 5, b-3). Find the area of the triangle?

@skaran17

Use distance formula to find the lengths of sides, u wil gt 3,5,sqrt(34)
so its rt triangle.
so area is 1/2 * product of legs : 1/2 * 5 *3 = 7.5

1 yard = 3 feet.

Hence, 1 cubic yard = 3^3 cubic feet.
=27 Cubic feet.

Hence, 9 plates hold 1 cubic yard...
So,100/9=11.something.
Hence Column B is greater (Asuming the unit of Column B to be Cubic yards)

Quant:

1. Col A: |48!|
Col B: (|49!| * |48!|) / |47!|

2. If it rains on Saturday, then the probability of getting a Concert postponed is 0.95.
Col A: If it doesn't rain on Saturday, then the probability of getting Concert not postponed
Col B: 0.03
(Similar to this)

3. In a club of 66 people, 40 were interested in dancing, 25 were interested in swimming and 6 are interested in both. Find the number of people who are interested only in dancing and not in swimming?

4. Given an = a(n-1) + 4 and a1 = 3, then
Col A: The 19th term in the series
Col B: 75
(Here n, (n-1) and 1 are suffixes)

5. Col A: 25% of 16% of 1050
Col B: 16% of 50% of 1050

6. If |3x + 2| = 8
Col A: |x|
Col B: 3

1.B
2.A
3.B
4.C
5.A
6.B

1.B
2.A
3.34
4.C
5.B
6.D

1. B (49! * 48 > 49!)

   2. D (we do not have information on probability of raining and not raining; we have information on probability of postponing if it rains)

   3. Those interested only dancing = 40 - 6 = 34

   4. C (T19 = 3 + (19 -1) x 4 = 75)

   5. B (Col A id 42 and Col B is 84)

   6. B (x = +8 or -10/3 that satisfies the equation, so in both cases Col B is greater)

6.conditions satisfied if x=2 or x=-3.33(approximate)

if x=2 col b greater

if x=-3.33 col a is greater

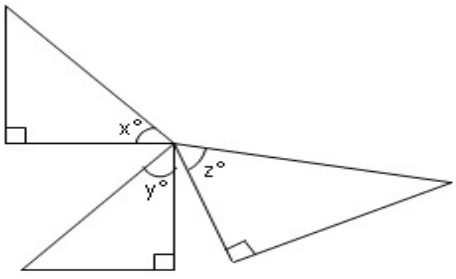
Thanks, Tushar. Mod of X can be 2 or 10/3, so answer should be D. I guess I should have been sleeping while answering the question.

Quant:

1. Given s/t = 1.5
Col A: 2t
Col B: s/0.75

2. In a rectangular coordinate system, given the coordinates of R as (12, 2) and the x-coordinate of T is 5 less than the x-coordinate of R. If the slope of RT is 2, then find the coordinates of 'T'?
(Similar to this)

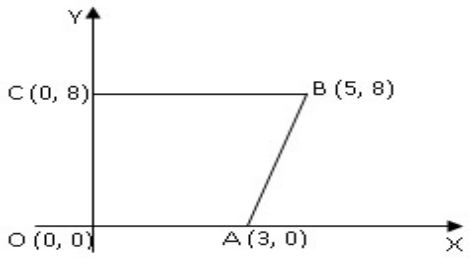
3.



Col A: x + y + z
Col B: 180°

4. Given (x^2 – 4x + 4) (x^2 + 4x + 3) = 0, then
Col A: The number of roots that satisfy the above equation
Col B: 3

5.



What is the area of the quadrilateral OABC?

6. A box contains 10 bulbs, out of which 2 are defective. If 3 bulbs are chosen at random, then what is the probability that at least one of these is defective?

7. Col A: 50% of 14% of x(some value)
Col B: 14% of 50% of x(some value)

8. Given a series a1, a2, a3, ... such that a1 = -9 and a2 = -4 i.e. every next digit is 5 greater than the preceding one. Find the value of a100?
(Here 1, 2, 3 and 100 are suffixes)

And few previous database questions appeared.

C
-8
D
C
32
8/15

A
486

for 2nd

R(12,2) and T(12-5,Y)

slope is given as 2

slope intercept formula is m = (y2-y1)/(x2-x1)

2 = (2-y)/(12-7)

solving we get y = -8

so co-ordinates are (7,-

for 5th

draw a st line from BC to OA perpendicular to OA, meeting at A

so area = area of rectangle OADC + area of triangle ADB

= (1/2) * (2)(+ (8 *3)
=32

am not sure abt Q3

for the 3rd question i think ans should b B coz hence each one has 90 degree common so each shouldnot have the either any of the angle more than or equql 2 90, alwz less than 90.so it direct the choice of sum of 3'll lessthan 180.

1) C
2)-8
3)D
4)C
5) 9+3SQRT(59)/2
6) 64
8)486

_____
VVVVAAAAAAAANNNNDUUUUU

1. C
   2. -8
   3. D
   Its just clear that information are not sufficient to find the variables' value. The third angle in each triangles are unknown. Also the triangles are randomly arranged. So it doesn't make any sense.
   4. C
   5. 32
   6. 8/15
   The probability of getting all non-defective is 8/10*7/9*6/8=7/15
   So the probability of not getting all non-defective is 1-7/15=8/15
   7. C
   The order doesn't make difference while you multiply so
   50/100*14/100*x=14/100*50/100*x
   8. 486

   Hi to all this is my first post.
   I'm here to share things and to learn from you guys.
   So correct me if I'm wrong. 
   _____
   Best regards

@bob ..1st post = good 1...all correct..!!

@ Tushar

Q.4)

(x^2 -4x +4) (x^2 +4x +3) = 0
=> (x-2)^2 * (x+3) (x+1) =0
=> x=2,-3,-1

Hence, u have 3 roots. Ans = C

Quant:

1. Given that there are five houses are to be painted and there is a choice of three colors. If each house should be painted with a single color, then in how many ways can the houses be painted?

2. Given an equation 3x + 5y = 37. Find the possible number of (x, y) pairs which satisfies the given the equation?

3. Given a rectangular cuboid of dimensions 5 X 10 X 6 inches, if weight of the box is 17kgs

then what is the density in cubic feet?

4. Given a series of 3, 1, 4, 2, 3, 1, 4, 2..... Find the 100th term?

5. The Probability to rain on a day is 0.95. If it rains, match will be suspended.
Col A: The probability of match being suspended, when it does not rain
Col B: 0.05
(Similar to this)

6. Given that in a rectangular coordinate system, a line passes through the points (-3, -4), (11, 10) and (x, 1). Find the value of x?

7. Given 2 < r < 6 and 3 < t < 8.
Col A: r/t
Col B: 3/4
(Similar to this)

1. 3^5
   2. (4,5), No options.
   3. 17 * 12* 12*12/5*10*6 (1ft=12in)
   4. 2
   5. B
   6. 2
   7. D

   Plz correct me if ny mistakes

2) the pair(9,2),(14,-1) also satisfiy the gien eq is there any pairs and what is the thechnique for soling thiz que.....

   7)for thiz if we divide both eq we get 2/3 <r/ t< 3/4
   so it is always less than 3/4....so B is greater.
   ans is B....
   if there are any wrongs plz correct it

1. **Given 5^(3)w + 5^(2)x + 5^(1)y + 5^(0)z = 264. If w, x, y and z are positive integers less than 5. What is the value of w + x + y + z?**
   A. 4

B. 6
C. 8
D. 10
E. 12

2. Col A: (-2)^(-3)
Col B: (-4)^(-3)

3. Given two sets S: {22, 24, 27, 29, 32} and T: {222, 224, 227, 229, 232}. If standard deviation of S is X, then what is the value of T?
A. x
B. 2x
C. x + 200
D. x + 400
& so on....

4. Given that there are 'x' boxes and boxes are filled with equal number of balls. If 3 boxes are filled with 12 balls each, then 5 balls are left after filling. Find the value of 'x'?
(Something like this)

5. Col A: 1/(0.0001)^(-3)
Col B: (0.0001)^(-3)

6. Given three points (5, 9) , (x, 1) and (4, 5). If these points lie on a same line, find the value of x?

Brad's Answer

1.
E

2.
A

3.
A

4.
? (not complete information)

5.
B

6.
4

Correct

6.
3

1) 8
   w=2
   x=0
   y=2
   z=4

1) 8
   Here positive inte...
   w=1
   x=1
   y=2
   z=4

1) c
   2) b
   3)a
   4)?????????
   5)b

Quant:

1. There was a quadrilateral and a triangle they have one side common and length of all sides were given and we have to find the perimeter of quadrilateral?
(Similar to this)

2. There is a rectangle and a triangle inscribed in it and we have to find the area of inscribed triangle?
(Similar to this)

3. Two circles are there one is inscribed in another and we have to compare the area of both the circle. The question asked is, the bigger circle is how many times the smaller one?
(Similar to this)

4. Given A = 125 * 165 * 688 and B = 178 * 14312 * 76768
Col A: The last digit of the product A
Col B: The last digit of the product B
(Similar to this)

5. There were 10 points marked on number line and all were on positive side. Out of 10 points, 3 points were labeled P, Q, R. All the 10 points were equidistant. The value of P and R were given in fraction, we have to find value of Q.
Note: Q is between 'P' and 'Q' but 'Q' was 4 points after 'P' and 5 points ahead of 'Q'.
(Similar to this)

Quant:

1. Col A: 7^37 – 7^36
Col B: 6(7^6)^6

2. Given three numbers 2x, 7x and x^2 (x < 0). If the average of three numbers is 12, find the range of the three numbers?

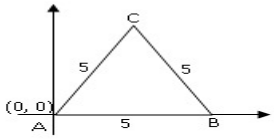
3. The value of (14^10 + 7^2)^2 - (14^10 - 7^2)^2 is ……..

4. If (x)^(-1) = 25/(y^2+1), then
Col A: x
Col B: (y^2)/25

5. A girl has 'w' kilograms of food to feed her dogs that lasts a week. Each dog eats 'x' kilograms of food twice each day.
Col A: Number of dogs
Col B: w/(7x)

6. Given percentiles of 3 sections as 20 30 and 40.
Col A: Number of people between the first two
Col B: Number of people between the last two

7.



Find the slope of BC?

8. Given an equation of a line 'k' as ax + by + c = 0. Which of the following is true?
I. If a is positive then x intercept is positive.
II. If b is positive then slope is positive
III. If a and b are negative then slope is positive
A. I only
B. II only
C. III only
D. II and III
E. I and III

9. Given an equilateral triangle whose area is 4*root(3). On one side of the equilateral triangle rests the base of another triangle whose length is 3 and the other two sides of the triangle are 4 and 5. Find the perimeter of the polygon (5 sided) formed by the two triangles?

10. Given k1 = 1. The series is such that ki = 5k(n-1) + 4. Find the least possible value of 'i' for which ki is divisible by 7?
Note: 1, i and (n-1) are subscripts.

11. Col A: The least prime factor of 7! + 1
Col B: The greatest prime factor of 7!

12. Given two sides of a rectangle as w+1 and w+3. The area of the rectangle is 'x'. If the perimeter of this rectangle is equal to the perimeter of a square, then
Col A: x+1
Col B: Area of square

13. There are 3 points A, B, C on a circle. With BC as diameter of length 20 and AB is of length 10, what is the angle <ABC?

14. There are certain number of toys, distributed equally among 'x' boxes. Now, if 3 fewer

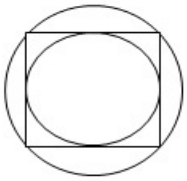
boxes are taken and 12 toys each are distributed into all the boxes equally, then 5 toys left after the distribution. Find the value of 'x'?

15. If 33 toys are distributed among 7 boxes. Then which of the following must be true?
A. There will be more than 5 toys, in at least one box
B. There are two boxes which must have equal number of toys.
& so on……

16. In the pack of plates, 1/3 plates are damaged, 2/3 plates are cracked and 1/3 of them are damaged and cracked. If 80 are not hampered, then what is the number of total plates? (Similar to this)

17. Col A: (2)^(-5)
Col B: (2^3)^(-2)

18.



Find the ratio of smaller circle area to bigger circle area?
(Similar to this)

Answers

1:C
2:80
3:4*14^10*7^2
4:A
5:B

6,7,8  ???
9:17
10:3
11:A
12:C
13:60
14,15,16:??????????
17:A
18:1:2

PLZ CORRECT ME IF IM WRONG ND GIVE ANSWERS FOR THE REMAINING QUESTION

17. its C

14. 41
12*3+5=41

n how did u do 9. and 11. ,i dint get it??

1) c
2) 228
Xpow2+9x-36=0
x=-12,x=3
now take x=-12
(-12)(-12)-(7(-12))
=144-(-84)
=228
3) 4*49*11pow 10
5)b
7)i think -1/sqrt3
 a
11)c
17)a
if any corrections plz let me know

ramojirao prefect i got same answer for 2nd
and for 7th question co ordinates of C by 30-60-90 triangle is
[5/2,root(3)/2*5] and that of B is (5,0).
so slope is [root(3)/2*5-0]/[5/2-5]=[root(3)/2*5]*[-5/2]=-root(3) or simply -60degree
fine???

Quant:

1. Given 3k > -1. What is the value of k?

2. The mean of three numbers 2x, 7x, x^2 is 12. Find the range of the set?

3. There are two rectangular solids large and small. If the edges of a small rectangular solid is 40% of the edges of a larger rectangular solid, then
Col A: Ratio of volume of smaller rectangular solid to larger rectangular solid
Col B: 8/125
(Similar to this)

4. Col A: (-3)^(-9)
Col B: (3)^(-9)

5. Col A: (7)^(37)/(7)^(36)
Col B: 6*(7^6)^6

6. Given 4K – 9 >=1
Col A: K
Col B: 3

7. When 27 is divisible by a positive integer x, then the remainder is 3
Col A: x
Col B: 6

8. By what the number (28)^3 is divisible?
A. 56
B. 58
& so on……
(Similar to this)

9. In a rectangular coordinate system, if the point (u, v) lies in the second quadrant and point (x, y) is in the 3rd quadrant, then
Col A: x + y

Col B: u + v

10. For a given series P1, P2, P3…….Pn; P1= 1. And for n>=2, if P(n+1) = 5Pn + 4, find Pi such that 'i' is the smallest number divisible by 7?
Note: 1, 2, 3, i, n and n+1 are suffixes.

11. Given a series of 5 numbers: {x, x+10, x+20, x+30, x+40}.
Col A: Standard deviation of the series
Col B: x

12. Given a figure of a circle. This circle has a chord AB which is not the diameter. The length of the chord is 5 and the radius is also 5. Find the area of the sector marked by chord AB?

13. There are 6 seats in a row and 3 married couples are to be seated on them, such that couples always sit together. Find the number of ways in which they can be arranged?

14. The expression 14^3 is not divisible by which of the following options?
A. 98
B. 36
& so on……

15. Given |2x-3|<7. From the following options, pick out its range on number line? (Similar to this)

16. If (x+3)(x+5)(x+2) = ax^3 + bx^2 + cx + d, what is the value of 'd'?

17. Given the dimensions of a triangle as 5, 6 and 8. If the angles opposite to sides 5 and 6 are 'x' and 'y', then
Col A: The third angle
Col B: 90

Given 3k > -1. What is the value of k?
Solution: k>-1/3

2. The mean of three numbers 2x, 7x, x^2 is 12. Find the range of the set?
This will give two values of 3 and -12
The ranges will be for 3:--> 15 and for -12 --> 120

3. There are two rectangular solids large and small. If the edges of a small rectangular solid is 40% of

the edges of a larger rectangular solid, then
Col A: Ratio of volume of smaller rectangular solid to larger rectangular solid
Col B: 8/125

Ans: C {Both are equal}

4. Col A: (-3)^(-9)
Col B: (3)^(-9)
Ans: B as A will be negative

5. Col A: (7)^(37)/(7)^(36)
Col B: 6*(7^6)^6
Ans: B as A will be equal to 7 but B will be much higher

6. Given 4K – 9 >=1
Col A: K
Col B: 3
Ans: D as K can be anything equal to or higher than 5/2

7. When 27 is divisible by a positive integer x, then the remainder is 3
Col A: x
Col B: 6
Ans: D
X can be anything which is a factor of 24

8. By what the number (28)^3 is divisible?
A. 56
B. 58
Ans: A

9. In a rectangular coordinate system, if the point (u, v) lies in the second quadrant and point (x, y) is in the 3rd quadrant, then
Col A: x + y
Col B: u + v
As there are no restrictions for the values of x,y,u and v.

10. For a given series P1, P2, P3…….Pn; P1= 1. And for n>=2, if P(n+1) = 5Pn + 4, find Pi such that 'i' is the smallest number divisible by 7?
Note: 1, 2, 3, i, n and n+1 are suffixes.
3rd Term will be 49

11. Given a series of 5 numbers: {x, x+10, x+20, x+30, x+40}.
Col A: Standard deviation of the series
Col B: x

I think D as we don't know x. If someone knows it then please explain.

12. Given a figure of a circle. This circle has a chord AB which is not the diameter. The length of the chord is 5 and the radius is also 5. Find the area of the sector marked by chord AB?

It will make an equilateral triangle so the area of equ. Trriangle = sqrt(3)/4 * 25
Area of the whole segment = 25/2
Take the difference to get answer

13. There are 6 seats in a row and 3 married couples are to be seated on them, such that couples always sit together. Find the number of ways in which they can be arranged?
6

14. The expression 14^3 is not divisible by which of the following options?
A. 98
B. 36
Ans: B

16. If (x+3)(x+5)(x+2) = ax^3 + bx^2 + cx + d, what is the value of 'd'?
30

17. Given the dimensions of a triangle as 5, 6 and 8. If the angles opposite to sides 5 and 6 are 'x' and 'y', then
Col A: The third angle
Col B: 90
Ans: B

13. There are 6 seats in a row and 3 married couples are to be seated on them, such that couples always sit together. Find the number of ways in which they can be arranged?
6* 2* 2*2= 48

As the husband and wife can be changed internally.

2. 228 and 15

take difference of -12^2 and 7 * (-12) 2. 228 and 15

take difference of -12^2 and 7 * (-12)

1 K>(-1/3)
2 15
3 PLZ SOLVE AND EXPLAIN
4 B
5 B
6 D
7 D
8 A(LOOKING @ OPTIONS)

9 D(IN 2ND : U%V BOTH ARE NEGATIVE AND IN 3RD : X IS POITIVE BUT Y IS NEGATIVE BUT HERE THERE ARE LIMITATIONS ON VALUS OF X,Y,U,V SO MY ANS IS D)
10 PLZ SOLVE AND EXPLAIN
11 PLZ SOLVE AND EXPLAIN
12 PLZ SOLVE AND EXPLAIN
13 48
14 B
15 PLZ SOLVE AND EXPLAIN
16 30
17 PLZ SOLVE AND EXPLAIN

I guess ans for this is D.
Here, third angle which is larget going to be 180-(x+y) and x and y can take values like : 40, 60 so third angle will be 80 and if x and y takes 10, 20 then third angle will be 150. So, ans is D.

Please correct me if I'm wrong.

Quant:

1. Given that a set 'N1' has five different numbers and 'N2' has five different numbers and none of them have common numbers. If one number is selected from N1 and one number is selected from n2, then how many different combinations are possible?

2. There are 'x' boxes and in each of the boxes, same number of balls are placed. If fewer by 3 boxes are taken and 12 balls are placed into all boxes equally, then 5 balls are left. What is the number of boxes?
A. 28
B. 31
C. 54
& so on.....

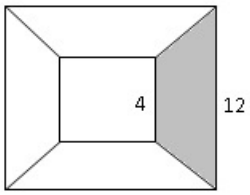
3. Given a certain principle amount as $2000, its time period 'n' is 1 year. If the simple interest becomes $150, what is the rate of interest?

4. Given two integers 'R' and 'T' between 650 and 690, if ten's digit of 'R' is 8 and ten's digit of 'T' is 6, then
Col A: Ten's digit of R – T
Col B: 2

5. If (x)^3 = (27)^2, then
Col A: x
Col B: 6

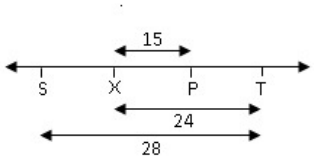
6. Col A: The area of circle with radius 3
Col B: The area of circle with circumference 6

7.



As shown in the figure above, there are two squares one in the other with inner square side length 4 and outer square side length 12. Find the area of any one of the trapeziums?

8.



Find the value of SX and PT?
(Similar to this)

9. If the arithmetic mean of a series 2, x, y, 7 is 3, then what is the median?
A. 1
B. 2
C. 3
D. 4
E. 5

10.

Product	Even/Odd
rstvw	Even
rstv	Odd
rst	Odd
rs	Odd

Which alphabet cannot be odd?
A. r
B. s
C. t
D. v
E. w
(Similar to this)

If a sum of $2000 is given at the rate of r% for 1 year on simple interest and at the end of 1 year ,if $150 is the interest then find the value of r?
a)5%
b)7.5%
c)10%
d)15%
e)20%

ans b)7.5%

9th October

1. 25

2. I could solved it till “xy=12x-31”
3. 7.5%
4. D
5. A
6. A
7. 32(8+8+32)
8. SX=4, PT=9
9. B
10. E

CORRECT ME IF WRONG..

1. 50(didn't say which one will be the ten's digit)
   2. B X must be an integer and 31 is a prime number
   3. 0.075
   4. D
   5. A
   6. A
   7. 32 if they are concentric
   8. SX=4, PT=9
   9. B
   10. E

   PLZ CORRECT ME IF WRONG....

1. C(1,5)*C(1,5)=25. Why 50? Please, explain.
   2. right, 31
   3. 7,5%
   4. D
   5. A
   6. A
   7. S=(a+b)/2*h, where a and b - are bases of trapezoid (a=4, b=12), h=4 (cos' x+4+x=12 =>x=4), hence S=(4+12)/2*4=32
   8. SX=4, PT=9
   9. median=2
   10. E

1. 25
   2. Please explain!
   3. 7.5%
   4. B
   5. A
   6. A
   7. 32
   8. SX=4 & PT=9

9. 1.5 (options seem to be wrong!)
10. E

PLEASE CORRECT ME IF I AM WRONG!

1)c(5,1)*c(5,1)=25 ; how D(refer quant 9th oct solution in solution forum)?
2)did nt get it!! please xplain!
3)7.5%=rate as SI=PTR/100(p=2000;t=1;r=r and SI=150)
4)D(how B?)
5)A(x=9)
6)A(col A=9*pi ; col B=9/pi)
7)got 8*h(hw did u get hieght please do it step wise step (ne1)
8)sx=4;pt=9
9)B=2(if 0,1,2,2,7 is d series wit total 12 AM=3) therefore median=2
10)E('W' is d only alphabet which is even according to d data given)

.....Emend it if Iam wrong somewhere!! nd reply soon.....
thanx!!

Hey everyone will u think qs 4 again

if the ten (th) digit is 8 then it would be 680, 681, 682.....689
and the ten (th) is 6 then 660, 661.....669

therefor, 680-669 = 11

so A > B

and in qs. 9
x+y = 3; so (x,y) may be (0,3) or (1,2)

then 0 2 3 7 and median 2.5 and 1 2 2 7 then 2
however, 3 and 2 both r .5 distance from 2.5 so. should we go for 2?

Quant:

1. If the sum of the digits in a two-digit number is multiplied by 6 then the answer is 42. What could be the number?
(Something like this)

2. Col A: (0.0001)^(-1) + (0.0001)^(-1)
Col B: 0.0002^(-1) + (0.0001)^(-1)

3. Which of the following can not necessarily true?
A. a + b + c = 180
B. a + b > c
C. a^(2) + b^(2) = c^(2)
D. At least two are acute angles
& so on……

4. Given (x - 3)/(x - 1) < 0; where x > 1. Find x?

5. If 4x^2 + 4x + 1 = 0, find the value of x?

6. If the age of Tim is 4 years greater than Andy, Andy's age is 3 years greater than George, then
Col A: Tim's age
Col B: George's age
(Something similar to this)

7. Which of the following is not a factor for 584?
(Some numbers are given in the options)

1. (Options required to solve)
2. B
3. D (Not sure!)
4. 2
5. -1/2
6. A
7. (Options required to solve)

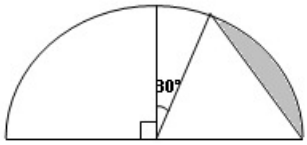
Please correct me if I'm wrong!

1. (Options required to solve)
2. A
3. D (not sure)
4. 2
5. -1/2
6. A
7. (Options required to solve)

PLEASE CORRECT ME IF I'M WRONG!

Quant:

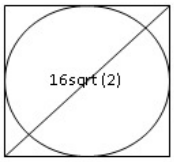
1.



Given radius of the circle as 1, find the area of the shaded region?

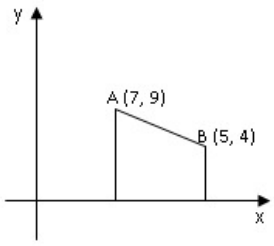
2. Given Standard Deviation of three numbers x, y, z as 'd', then
Col A: Standard Deviation of x + 1, y + 1 and z + 1
Col B: d + 1

3.



Given the length of the diagonal of square as 16sqrt(2), find the area of the circle?

4.



Find the x-intercept of the line AB?
(Similar to this)

5. A team of 3 couples are to be seated in 6 seats, in how many ways they can be arranged such that wife and husband should always sit together?
(Similar to this)

6. If 'W' kg is sufficient to feed all dogs for 1 week and if single dog is fed 'x' kg twice daily, then
Col A: Total number of dogs
Col B: w/7x

7. Given mean of three numbers 2x, 7x and x^2 as 12, find the range of the numbers?

8. Col A: The highest prime factor of 7! +7
Col B: The highest prime factor of 7!

9. Col A: The difference in change of percentile from 40 to 20 of certain marks
Col B: The difference in change of percentile from 60 to 40 of certain marks

10. For a given series P1, P2, P3…….Pn; P1= 1. And for n>=2, if P(n+1) = 5Pn + 4, find Pi such that 'i' is the smallest number divisible by 7?
Note: 1, 2, 3, i, n and n+1 are suffixes.
(Similar to this)

1.?
2. B
3. 64pi
4.
5. 3!*2!*2! = 24
6. C
7. -12<x<3
8. A.
9. A
10. 3

If poss...pls guide me wid those questions which i did not ans

1. A=(theta/360*pi*R^2)-sqrt3/4
   =(60/360 *pi)-sqrt3/4
   =(pi/6)-sqrt3/4
   = 0.5233-0.433
   =0.0903
   2. **PLZ SOLVE**
   3. 64pi
   4. **PLZ SOLVE**
   5. 48
   6. B
   7. 228
   8. A
   9. C
   let total marks be n.
   and marks under 20,40,60 %ile be x,y,z,
   so fro formule %ile P=X/n
   X=20n like wise
   y=40n
   z=60n

   by taking

   y-x=20n

   and

   z-y=20n

   so ans is C

correct me if wrong.
10. **PLZ SOLVE**

9. Hey vivek, are u sure abt 9th question?? As i don't know abt this n from whr u got the formulas for percentile?? Plzsend me the link as i m taking GRE on 27th??? Pl help regarding percentile questions yaar...

10. P1= 1
P2=5(1)+4=9
P3=5(9)+4=49

so p3 is the smallest no which is divisible by 7..

9. I think A is the correct choice.
COL A (40-20)/40 = 1/2
COL B (60-40)/60 = 1/3..
I am nt too very sure about it.

_____
Lipi Parikh

A percentile is the value of a variable below which a certain percent of observations fall.

The median is the middle of a distribution: half the scores are above the median and half are below the median

The 25th percentile is also known as the first quartile(Q1); the 50th percentile as the median or second quartile(Q2); the 75th percentile as the third quartile (Q3).is taken as median.

For the normal distribution

mean = median=50%ile

The formula to use is L/N(100) = P where L is the number of measurements less than certain %ile, N is the total number of measurements in the data set and P is the percentile.

1. 0.0903

2. B- The standard deviation of a set always remains the same when increased by the same amount. So in this case, the sd remains d even after increasing the value of the individual members of the set by 1. It is always ONLY the mean that changes in such a case.

3. 64pi

4. 9

The x-intercept of any LINE(Line AB here) is the point where it intersects the x-axis. The y-intercept of the point B is 4. Only when the y-intercept of the point B is 0 will the line intersect the x-axis. This happens when the x-intercept is 9. Try it!

5. 12
The 3 couples can be arranged on 6 benches. Since husband and wife must always be together, treat the 2 that sit together as one person for the time being. Now we have only 3 people(each person is one couple treated as 1 unit) on 3 benches: 3!= 6. Now, the 2(husband and wife) that sit together can also trade places amongst themselves: 2!= 2. So, the total number of possibilities is: 6* 2= 12

6. B

7. 15 or 168 depending on the value of x taken.
On solving the equation obtained from the mean, we get x= -12 or x=3.
Substituting x= -12 in the equations of the numbers given we get the following set: -24, -84, 144. Substituting x=3 , we get the following set: 6, 21, 9.
Range is the difference between the maximum and minimum values of any given set. Applying the same logic, we get the answer.

8. A

9. B
I am assuming here that the "certain marks" mentioned in the problem statement is the same for both the scenarios mentioned. The idea of percentile is that: If x scores are below yours then your percentile would be x. The change from 40 to 20 percentile would mean approximately 20% people scored below you. In short you have scored higher than 20 % of the people who appeared. On the other hand, a score change from 60 to 40 would mean you have essentially lowered your scores, although you STILL are a good 40 % above the other people who appeared.
Here, the whole idea is to not apply any formulas but to understand the impact the change has on the end result, and arguably the end result is still higher in case of B.

10. The question is not all that clear, however, I am assuming, that **sanduja.arun** has interpreted the question correctly.

Quant:

1. Col A: (1/25+1/26 + 1/27 + 1/28 + 1/29 +1/30)
Col B: 0.2

2. Given a1 = -9, a2 = -4, such that an = a(n-1) - a(n-2). Calculate sum of first 100 terms?
Note: (Here 1, 2, (n – 1) and (n – 2) are suffixes)

3. If (1/(x + y)) – 1 + (1/(x - y)) -1= 4, then which one of the following must be true?
I. x = 2
II. y = 0
III. y = -1
& so on…..

4. If x = k^2 and y = k^3, then
Col A: x^9
Col B: y^6

5. There is a micro chip. Each side is extended by 0.1 millimeters. If surface area of one face increases to 0.75 mm, find the original length of the edges?
(Similar to this)

6. Given k1 = 1. The series is such that ki = 5k(n-1) + 4. Find the least possible value of 'i' for which ki is divisible by 7?
Note: 1, i and (n-1) are subscripts.

7. If -6 <= x <= 4 and -10 <= y <= 4, then what is the greatest value of (–x^2 + y^4)?
A. 16
B. 240
C. 10,000
D. 10,036
& so on……

8. Given x/y = 3/5.
Col A: x – 3
Col B: y – 5

9. Given the dimensions of a triangle as 5, 6 and 8. If the angles opposite to sides 5 and 6 are 'x' and 'y', then
Col A: The third angle
Col B: 90

10. What is the nearest value of sqrt(171)?
A. 12
B. 13
C. 14
& so on……

11. Given R1: {-3, -2, -1}, R2: {-1, -2, -3}and R3: {-3, -2, -1, 1, 2, 3}. If s1, s2, s3 are defined as the Standard Deviations of R1, R2 and R3 respectively, then which one of the following is true?

I. s1 < s2
II. s1 = 0
III. s3 = 0
A. None
B. Only I
C. I and II
D. II and III
E. I and III

1. A
2. 1
3. Cant figure out..
4. C
5. ???
6. 3
7. C
8. D
9. A
10. B
11. A

1. A
2. -339
3. I
4. C
5. how to solve?no idea
6. 3
7. D (how C??)
8. D
9. A
10. B
11. A

I think for answer to be D for 7th question, -x should be in the parenthesis so that the value after squaring will be added to the second term.. But i think as it is not in the parenthesis, it would be subtractedfrom the term. So the value of x should be minimum..
Had it been (-x)^2 then answer would be D..
[/u]

Hey Guys plz see to the 12thuestion of 8th oct database....How u ppl write 25 and 30..According to me the answer must be
If code xyzyz 10*9*8*1*1=720
If code yyxzz 10*1*9*8*1=720

Answer will be 720+720= 1440

Quant:

1. If (5^3) x + (5^2) y + (5) z + p = 264; where x, y, z, p are all non-zero integers less than 5, find the value of x + y + z + p?
A. 10
B. 12
& so on.....

2. When 'k' is divided by 12 it gives remainder 5, what will be remainder when k^2 is divided by 8?

3. Given x < 2-y
Col A: y
Col B: 2

4. Given a train 'p' travelling a distance 's' km at an average speed of r km/hr and another train 't' travels a distance 'y' at a speed of z km/hr. Find the equation which satisfies the above problem?
A.sr - yz > 0
B. sz - yr > 0
C. yz – sr > 0
D. ry.sz > 0
E. sy – rz > 0
(Something similar to this)

5. Given that there are 600 communities and the average annual income of the communities comes around $600 of which f is 20 %, g is 40% and h is 60 %.
Col A: The amount of 'g', greater than 'f'
Col B: The amount of 'h', greater than 'g'
(Something like this)

6. If 3/5 = x/y, then

Col A: x - 3
Col B: y – 5

7. The value of (14^10 + 7^2)^2 - (14^10 - 7^2)^2 is ……..?

8. Given x > 0
Col A: (10)^(-2) . (x)^(-1)
Col B: (10)^(2) . x

9. Given slope of a line as -3 and the points are located at (3, k) and (-2, m).
Col A: k – m
Col B: -15

1. 8

   2. 1

   3. d

   4. d

   5. c

   6. d

   7. 14^12

   8. d

   9. c

   Correct me if i m wrong smwhr.....

1. can be multiple answers ..

   0 if x,y,z,p are 2,1,-2,-1
   4 if x,y,z,p are 2,1,-3,4

   hoowever, i am not sure how u can gt 8 as d answer...

   2.1

3. d

4. Some data is missin??

5. c

6. D

7. 14^12

8. D

9. C

Let me knw if u think otherwise....

ques 1??
dude has any one solved this question this far??

i have been breaking my head over it and i am getting multiple solutions.
but highest sum is 4.

YES THIS problem came before as well but there the condition was that the variables in question were positive integers less than 5.
In this case i could not find a single solution .

if anyone has an definitive answer for any of these two situations
then plzz guide me !!!

1. The only possible answer for this is 8
   x=2, y=0, z=2 and p=4

   If thr is any other answer less than 5, let me know.

   4. May be some data is missing but this can be done with this data..
   As in choice d both (ry) (sz) will surely be +ve and can't be negative..
   So the product also will be surely more than 0...
   So 'd' is the answer..

1.. If thr r only +ve integers then answer is 8...sorry for last post

actually you can solve 6th question, the answer is B
given
3/5=x/y
by cross multipying we get

3y=5x,now by subtracting 15 on both sides
3y-15=5x-15 => 3(y-5)=5(x-3)

=>(y-5)/(x-3)=5/3 so (y-5) is greater than (x-3) so answer is 'B'

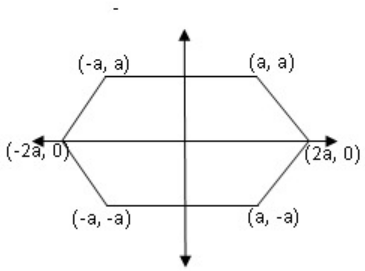
1. 8
2. 1
3. B
4. D
5. C
6. D
7. 4*(7^2)*(14^2)
   Q is in format a^2 - b^2,so ans shd be (a+b)(a-b)
8. D
9. C

   M actually sure about all ans, but 7th one its not matching ..wht did u all do ?

Quant:

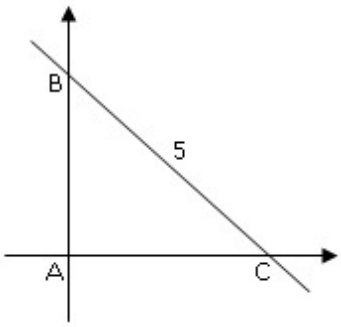
1. The value of [Sqrt(15.987) * 601.146]/[15.78 * 301.124] is ..... ?

2.



Find the area of any trapezium?

3.



Find the slope of BC?

4. Given that there are 3 married couple and they have to be arranged in 6 seats. In how many ways they can be arranged, such that husband and wife should always be together?
(Similar to this)

5. For a given series P1, P2, P3.....Pn; P1= 1. And for n>=2, if P(n+1) = 5Pn + 4, find Pi such that 'i' is the smallest number divisible by 7?
Note: 1, 2, 3, i, n and n+1 are suffixes.

6. Given that set A consists of positive odd numbers less than 100, set B consists of positive even numbers less than 5 and if set C consists of product of set A and set B. Find the number of numbers possible in set C?
(Similar to this)

1. 0.5 approximately

2. 6 * a^2

3. Slope = - 4 / 3

4. 48 ways

5. i = 3

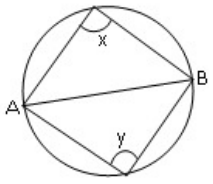
6. 100

1. sqrt4 (approx)
2. 6a^2
3. d (nothing can be said abt slope)
4. 48
5. 3
6. 100

Quant:

1. The reflection of a positive integer is obtained by reversing the digits. For example, 321 is the reflection of 123. The difference between a five-digit integer and its reflection must be divisible by which of the following?
A. 2
B. 4
C. 5
D. 6
E. 9
(Similar to this)

2.

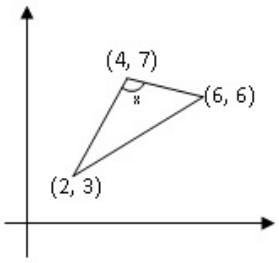


Col A: x + y

Col B: 180

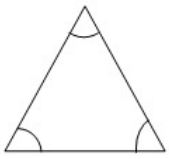
3. What is the remainder of the expression (7^0 + 7^1 + 7^2 + …… + 7^20) when divided by 14?

4.



Find the value of x?
(Similar to this)

5.



As shown in the figure above, on the triangle, they are three arcs of a circle whose radius is '2'. Find the length of all the three arcs together?
(Similar to this)

6. Given slope and y-intercept of a line and asked to find the perpendicular slope of a line?

7. If (3)^(2x) =(3)^(2) * (3)^(x), what is the value of x?

8.Given a train 'P' travelling a distance 's' km at an average speed of x km/hr and another train 'T' travels a distance 'z' at a speed of y km/hr. If the time taken by train 'P' is less than the train 'T', find the equation which satisfies the above problem?

9. Given three sets R1 = {-1, -2, -3}, R2 = {1, 2, 3} and R3 = {-3, -2, -1, 1, 2, 3}. And Standard Deviation of R1 is S1, Standard Deviation of R2 is S2 and Standard Deviation of R3 is S3.
I. S1 > S2
II. S2 < 0
III. S3 = 0
A. Only I
B. Only II
C. Only III
(Similar to this)

10. Given that there are 10 balls and 10 bags and 3 balls are of same kind. In how many ways these '10' balls can be arranged in 10 bags, such that no bag should be left empty?
(Similar to this)

11. In a shop, the discounts are as follows. A 40% discount on each coat and 20% discount on each shirt. If a person buys 2 coats and 1 shirt, then what is the total discount he gets on buying?
(Similar to this)

12. A person has 'W' kg of food for one week to feed some dogs. If each dog consumes 'x' kg per day then
Col A: Number of dogs
Col B: 7w/x
(Similar to this)

1. Nothing can be said..
2. c
3. Don't know..But if thr is not 7^o then the answer is 0.
4. The distance between lines is 2sqrt5, sqrt5, and 7.. cudn't interpret further
5. 2pi if triangle is equilateral.
6. didn,t get the question
7. x=2
8. options required..
9. nothing is true..

10. 10factorial/3factorial..
11. 33.33%
12. w/14x

1) 3
2) d
3) 1
4) 90
5) 2pi in any case.
6) slope of perpendicular lines are inverse of each other.
7) 2
 options req
9) A
10) dnt know. i feel somthing is wrong with the data. PLZ EXPLAIN
11) 33.3%
12) D. if Col B is w/7x then Ans is C.

1. Ya u r right but can u plz explain why dis is so?? I didn't get the reason behind...Plz explain???

   2. This is a cyclic quadrilateral bro... In cyclic quadrilateral, the sum of opposite angles is 180..I think

   3. Can u plz explain this one too.. As i got 0 if 7^0 is not thr...Plz explain

   9. S1 and s2 are same that is sqrt2/3...

1. actualy 3 isnt mentioned in the choices ..but try any damn number which is 5 digit and reverse it and take the differene.. evry time the number was divisible by 3 dats why i came to that conclusion..

   2. it is not necesary that the quadrilateral inscribed in the circle is a square or a rectangle. so if we consider it to be a parellalogram,(since there are no parameters mentioned) then its opposite angles are equal but nt necessarily ad upto 180. consecutive angles always do, bt nt opposite. dats what i feel. correct me if m wron here.

   3. complicated one.
   1st term is 7^0 = 1 [1/14 remainder is 1]
   2nd term 7^1 = 7 [8/14 remainder is 8]
   3rd term 7^2=49 [57/14 remainder is 1 again]
   4th term 7^3= 343 [400/14 remainder is 8 again]
   and so on.
   so the sequence the sum is 1 + 7+ 49 + 343 + ...+ 7^20
   hence when we reach to 7^20 we must get the remainder 1. we cannot mathematicaly calculate..
   if anione have sum formula to find this PLZ let me know..

   9. yes you r right. S1 = S2. thnx.

@ lp_parikh

I got your concept for the 3rd problem. But how can the answer be '1'?

We are getting 1 & 8 alternately, also there is addition of 7^0 + 7^1 +.... so how can we conclude with '1'??
I'm confused!
Please elaborate!

9)B
s2=(2/3)^1/2 which is lesser den 0(s1=s2)

1)we can get the solution by going through options

1st option
The difference between a five-digits integer and it's reflection should be even number, then only it will be divisable by 2. we may not get even no. always, for example
(87653)-(35678)=51975= odd no.
so, 2 is wrong
same reasone applies for 4 and 6

3rd option
The difference no. should have either 5 or 0 to get divisible by 5.
for example (91428)-(82419)=9009
so, 5 is wrong answer

5th option
if the sum of the digits in difference no. is divisible by 9, then the difference is surely divisible by 9.
am gettig the sum which is allways divisible by 9
so, 9 is answer

8)The equation is
ZX>SY

Quant:

1. Col A: (7)^37 – (7)^36
Col B: (7)^36 * (6)

2. A girl has 'w' kilograms of fodder to feed her dogs which lasts a week. If each dog eats 'x' kilograms of food twice each a day
Col A: Number of dogs
Col B: w/(7x)

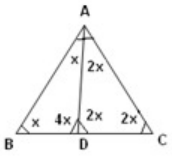
3. A set 'N1' has five different numbers and 'N2' has five different numbers and none of them have common numbers. If one number is selected from N1 and one number is selected from n2, then how many different combinations are possible?
(Similar to this)

4. Col A: (0.0001)^(-1) + (0.0001)^(-1)

Col B: 0.0002^(-1) + (0.0001)^(-1)

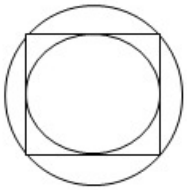
5. In a class of 500 students, the marks percentile as given. If f is 20%, g is 40% and h is 60%, then
Col A: The percentile by which g is more than f
Col B: The percentile by which h is more than g

6.



Col A: Area of triangle ADB
Col B: Area of triangle ADC

7.



Find the ratio of smaller circle area to bigger circle area?
(Similar to this)

8. Given an equation of a line 'k' as ax + by + c = 0. Which of the following is true?
I. If a is positive then x intercept is positive.
II. If b is positive then slope is positive
III. If a and b are negative then slope is negative
A. I only
B. II only
C. III only
D. II and III
E. I and III

9. A question on set theory which roughly translates to (A U B) = 56, the value of A alone is given and asked to find out B alone?
(Somethnig similar to this)

And Many Previous Database Questions Appeared.

1. C
2. B
3. 25
4. A
5. A
6. C
7. 1/2
8. C
9. ?

1. C
2. B
3. 25
4. A
5. A
6. D, based on the given we can get the angles and not the sides or area. Correct me if wrong
7. ½
8. C
9. Insufficient data

f = 20% of 500 = 100
g = 40% of 500 = 200
h = 60% of 500 = 300

So, Percentile increase between f and g = 200 - 100 = 100(which actually means 100% increase from f to g)

and Percentile increase between g and h = 300 - 200 = 100(which is actually 50% increase from g to h)

So... A is greater....

Please correct me if am wrong....

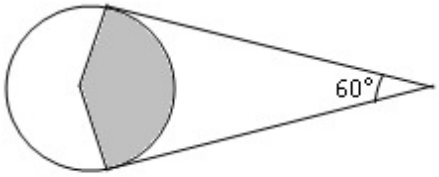
Somebody please explain 6th question...

6) see triADC is equilateral that means three sides are equal..AD=DC=AC let assume it as y...if we come to tri ADB it is isosecles that means the angles opposite to the sides are equal..so AD must be equal to BD (AD=BD)
as already we assume that side AD=y,BD=y.....
for two triangles the height is same the area depends on the base .....since both bases are also equal then two triangles area also equal.....

Quant:

1. Given that m, n, w are three positive prime numbers greater than 10.
Col A: Number of factors of mnw, including mnw and 1
Col B: 8

2.



Given area of the arc as 16, what is the circumference of the circle?

3. If x^2/y^2 = 16/9, then
Col A: x/y
Col B: 1.3

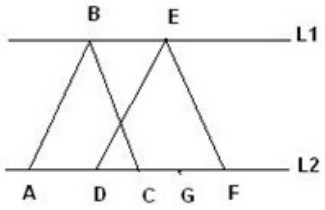
4. Col A: y + x
Col B: x + 5

5. Given three numbers 2x, 7x and x^2 (x < 0). If the average of three numbers is 12, find the greatest possible range of the three numbers?

6. A girl has 'w' kilograms of fodder to feed her dogs which lasts a week. If each dog eats 'x' kilograms of food twice each a day
Col A: Number of dogs
Col B: w/(7x)

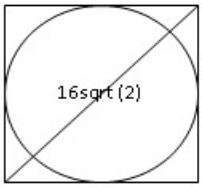
7. Col A: The least prime factor of 7! + 7
Col B: The greatest prime factor of 7!

8.



L1 & L2 are two parallel lines. If BE = ED the area of triangles ABC and DEF are 12 and 16, then
Col A: Length of DC
Col B: 4
(Similar to this)

9.



Given the length of the diagonal of square as 16sqrt(2), find the area of the circle?

10. In how many ways can the five symbols #, $, @, @, $ be arranged?

11. Given price of some share as 'X' at the end of july2007 and at the end of aug'07 its price increased by 10% of last month and in sep'07 its price got increased by 70% of aug'07."
Col A: Price of shares at end of sep'07
Col B: 0.8X

And Many Previous Database Questions Repeated.

1. B
2. 48
3. D
4. D
5. 228
6. B
7. A
8. D
9. 64PI
10. 5!=120
11. A

2. 8*sqrt(3*PI)[/b]

sorry...i think the answer fr d 2nd qustn is 8*sqrt(3*PI)
someone please check it out...

Given Area of ABC = 12 and Area of DEF = 16.

Consider Area of ABC = 1/2*AC* Height = 12 ==> AC*Height = 24;
Area of DEF = 1/2*DF*Height = 16 ==> DF*Height = 32;

Since heights of both triangles are same:

Assume AC*Height = 3*8 = 24
DF*Height = 4*8 = 32

SO AC = 3, DF = 4

DC = DF-AC = 4-3 =1

THerefore, 4>DC

So, Ans is B.

Please correct me if i am wrong.

1 C [m,n,w,mn,nw,mw,mnw,1]
2 24
3 D
4 D
5 -84 144
6 B
7 C
8 C
9 64PI
10 5!/(2!*2!)
11 B

Quant:

1. Given 9^x = 47. What is the nearest integer of 3^x?
A. 5
B. 7
C. 11
D. 12
& so on.....

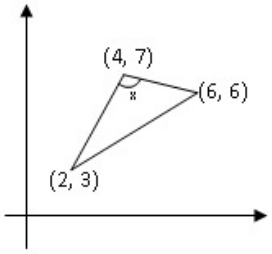
2. If x – y = 1, then
Col A: x^2 – y^2
Col B: (some value)

3. A crew of 12 members has to be seated around a dinning table. If the distance between each person to the other is 2.5ft, then what is the minimum length of the dinning table?
A. 10
B. 11
C. 12

D. 13
E. 14

4. In a hotel, the room numbers of a floor are numbered from 101 to 550. If particular rooms selected are of numbers that start with 1, 2, 3 and lasts with 4, 5, 6 then in how many ways the rooms can be selected?
(Similar to this)

5.



Find the value of x?
(Similar to this)

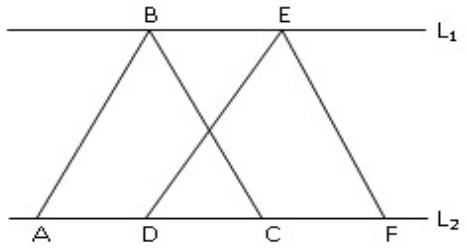
6. If x = k^2 and y = k^3, then
Col A: x^9
Col B: y^6

7. Given 5^(3)w + 5^(2)x + 5^(1)y + 5^(0)z = 264. If w, x, y and z are positive integers less than 5. What is the value of w + x + y + z?
A. 4
B. 6
C. 8
D. 10
E. 12

8. How many of the following terms; (0.2)^2, sqrt(0.16), (0.4)^(-1) and (0.8)^(1/3) are equal to 0.4?
A. 0
B. 1
C. 2
D. 3
E. 4

9. If 18 <= x <= 25 and 70 <= y <= 100, then
Col A: Maximum value of (x+y)/y
Col B: 16

10.



Given L1 and L2 are two parallel lines. If the area of triangle ABC is 10 and area of triangle DEF is 12, then
Col A: Distance between 'A' and 'D'
Col B: Distance between 'C' and 'F'

11. If the length of Cuboid A is 40% of the length of Cuboid B, then
Col A: Volume of Cuboid A
Col B: Volume of Cuboid B

12.

	Reading of the car	No. of liters of petrol
A	13500	13
B	13700	16
C	13900	8

The table shown gives the reading of a car at three stops 'A', 'B' and 'C' and if the car gets filled up to full tank at each stop, then find the ratio of number of miles travelled to number of liters used? (Similar to this)

13. For a match, 5100 tickets were sold and the profit on it is $205,000. If there are $30 tickets and $50 tickets, then find how many $50 tickets were sold?

6.C
8.B
9.B
10.A
11.B
13.2600

plz explain 1st,5th and 7th

please somebody explain how to do 13th

7th is easy use the distance formula to find out all the lengths
then we know that the three values are pythagorean triplet
hence angle opp to longest side is 90

@ 7th
given
5^3*w+5^2*x+5^1*y+5^0*z=264
then w+x+y+z=?
by substuting w=2,x=0,y=2,z=4
w+x+y+z=8

ANSWERS

1.B
2.D
3. Insufficient data.. Can somebody Explain
4.Is it 90 ?? Correct me if wrong
5.90
6.C
7.C
8.B
9.B
10.B
11.D
12.Insufficient Data.Can somebody Explain
13.How to solve this question? Seen the answer many times not able to solve it

solution for 13th qstn:
form two equations...
X+Y=5100 and
50X+30Y=20500
solve dem fr values of X n Y
X is the numbr of tickets sold fr RS.50 each and Y is dat of those sold out fr RS.30 each..u get X=2600 n Y=2500

3. hey! how did u get 12 feet? Can you please explain?
   13. Thanks for the answer. But, What I was wondering is - 205000 is not the total amount earned after selling all the tickets. It is actually the profit earned after selling all the tickets as per the question(guess there was some typo error)

Consider it has a rectangular table. 5 persons sitting on either side of the length of rec and one each on its width. 5 persons seated wit 2.5ft space.

So length of d table 2.5*4=10

x-y = 1
hence,
x-y+2y = 1 + 2y.....(adding 2y on both sides)
Hence,
x + y = 1 + 2y

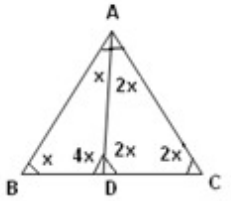
Now, x^2 - y^2 = (x + y) (x - y)
= 1 + 2y

1. From the set of numbers 1, 5, 6, 8, 9 form a three digit number 't' and a two digit number 'r', such that 't-r' is minimum. What is the minimum possible value of 't-r'?

2. Given three numbers 2x, 7x and x^2 (x < 0). If the average of three numbers is 12, find the range of the three numbers?

3. A girl has 'w' kilograms of fodder to feed her dogs which lasts a week. If each dog eats 'x' kilograms of food twice each a day
Col A: Number of dogs
Col B: w/(7x)

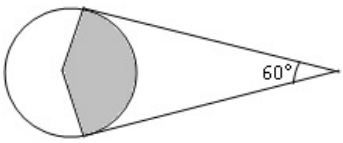
4.



Col A: Area of triangle ADB
Col B: Area of triangle ADC

5. Given that m, n, w are three positive prime numbers greater than 10.
Col A: Number of factors of mnw, including mnw and 1
Col B: 8

6.



Given area of the arc as 16, what is the circumference of the circle?

7. If x^2/y^2 = 16/9, then
Col A: x/y
Col B: 1.3

8. Given Standard Deviation of three numbers x, y, z as 'd', then
Col A: Standard Deviation of x + 1, y + 1 and z + 1
Col B: d + 1

And Many Previous Database Questions Appeared.

1. 156 - 98 = 54
   2. [-84, 144]
   3. B is greater
   4. A is greater
   5. equal
   6. 18
   7. cannot be said
   8. B is greater

   _____
   http://kallol.echoz.com

1. If repetition is allowed: 111-99=12. If repetition is not allowed 156-98= 58
   2. 228
   3. B
   4. Seen the question many times, the answer is either C or D Can someone Pls explain…
   5. C
   Eg: 11, 13, 17 are three prime numbers.
   11*13*17 = 2431
   So, the factors for 2431 are = 1, 2431, 11, 13, 17, 143(11*13), 221(13*17), 187(11*17)
   So… there are 8 factors
   Please correct if am wrong.
   6. 8* SqRt(3Pi)
   7. D
   8. B

SEE, HEIGHT OF BOTH THE TRIANGLES ARE THE SAME SINCE IF U DROP A PERPENDICULAR FROM A TO BC, ITS A COMMON HEIGHT FOR BOTH THE TRAINGLES. (NOTE: HEIGHT OF ANYTRIANGLE MAY OR MAY NOT LIE IN THE TRIANGLE)...SO FOR FINDING THE AREAS, U NEED ONLY BASE FOR THIS QUESTION...

SINCE AREA= HALF BASE INTO HEIGHT,
now angle BAD is x and angle CAD is 2x, so CAD subtends twice the distance as BAD,

implies CD=2BD

so since base of ADC is more. its area is more.
hence answer is B

sory again! d answr fr 4th is A
one of them is an isocls trngl n ndr is equiltrl..
A(isocls trngl)=sqrt(3)/2*side^2....(here side is the measrmnt of the two equal sides)
A(eqiltrl trngl)=sqrt(3)/4*side^2
since the side is common sqrt(3)*side^2 is equal fr both the trngls...so d one dats divided by 2 is greatr dan d one dats divided by 4...so d area of trngl ADB is geratr...thus A

Area of the Isoscles triangle = b/4(Sq Rt(4a^2 - b^2))

where a = length of each of equal two sides
b = length of the third side.

This is the formula. I haven't heard of the formula that is mentioned above. Can you please check it?

The Answer is C. Because, from the Right Triangle it can be calculated that X = 30 [180 = 6X]

So, Right Triangle is equilaterel.

For the Left Triangle angles are = 120,30,30.

As, Two triangles share a common line, it can be easily showed that, both of there base are equal.Also they have the same height.

So, they have equal area.

The answer to 4th is A.

The 2nd triangle is equilateral; the 1st is iso.
Let length of AD = y.
Hence BD = y.

AB > y (As it is opposite to the greatest angle of triangle ADB)

But, all the 3 sides of triangle ADC = y.

Hence, area of the 1st triangle is greater.

Q.4) THE ANSWER IS B :

Triangle ADC is an EQUI tri.. consider its sides AC=DC= a(say)
hence, height AD is = sqrt3/2(a)
Area of tri ADC = sqrt3/4 (a)^2 = 3/(4sqrt3) * (a)^2

Now, since ABD is an isos tri..sides opp to similar anges are equal
=> AD=BD= sqrt3/2(a)
Hence Area = 0.5*sqrt3/2(a)*sqrt3/2(a) = 3/8 * (a)^2

Correct me if im wrong ..[/b]

Quant:

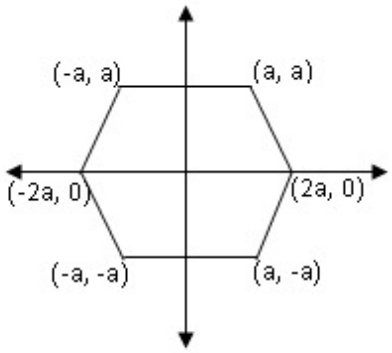
1. The average of 5 children age is 9. If one child is discarded from the group, the rest average age becomes 3. What is the age of discarded child?
(Similar to this)

2. What is the value of ((5.29X602.1)/15.29)^1/2?

3. If three sides of a quadrilateral are equal and are of x cm, then find the perimeter of quadrilateral?

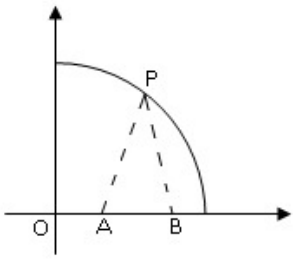
4. In a group, 7 out of every 15 students admitted in an university and one of them is absent everyday. If 315 students were admitted last month, then how many students were not absent at all?
(Something similar to this)

5.



Find the area of the figure?

6.



Given that points 'A' and 'B' are fixed. If the point 'p' moves on the arc in that coordinate, then how the area of the triangle changes?
A. For certain time the area increases and then it decreases
B. For certain time the area decreases and then it increases
C. The area remains constant
& so on……

7. Given a set of numbers 2x, 3x and x^2. The arithmetic mean of the set is given some value (xxx). What is the range of 'x'?

8. If -6 <= x <= 4 and -10 <= y <= 4, then what is the greatest value of (–x^2 + y^4)?
A. 16
B. 240
C. 10,000
D. 10,036
& so on……

9. Given a1 = 2 and a(n+1) = (a(n) – 1)^2. Find the value of a17?
(Note: Here 1, (n+1), n and 17 are suffixes)

10. Col A: -[(-3)^(-9)]
Col B: (3)^(-9)

11. If a person 'A' did 1/5th of the some work and another person 'B' did 1/6th of remaining work. Then, what is the work still left?
(Something lie this)

12. A computer system digit code has 5 digits. In that 'x' repeats once, 'y' repeats twice and 'z' repeats twice. If the system accepts this code: xyzyz and yyxzz. Then

Col A: The number of combinations possible for the system code
Col B: xxx (some value)
(Similar to this)

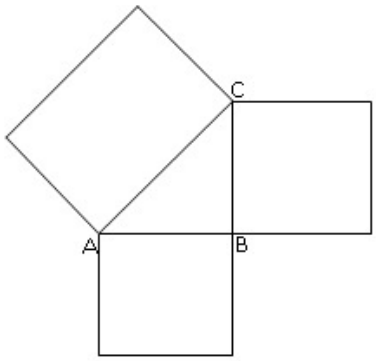
13. Given x/y = 3/5.
Col A: x – 3
Col B: y – 5

14. When 27 is divided by x, it gives the remainder 3.
Col A: x
Col B: Some value(xx)
(Something like this)

15. If x < 2 – y, then
Col A: 2- x
Col B: y

16. Which of the following is greatest?
A. 0.001 X 0.107863
B. 100 X 1.07863
C. 1000 X 10.7863
& so on……

17.



Col A: The angle A
Col B: 60°

18. Given three numbers m, n and p. If L.C.M of 'm' and 'n' is 'mn' and L.C.M of 'n' and 'p' is 'np', then
Col A: L.C.M of 'm' and 'p'

Col B: mp

19. Given two sets N1 = {1, 2, 3, 4, 6} and N2 = {1, 2, 3, 8, 4}. If a number is selected from N1 and N2, then product is 'p'. Find how many different 'p' values are possible?

1. 33
2. **PLZ EXPLAIN**
3. X
4. 270
5. 6a^2
6. ????
7. **PLZ EXPLAIN**
8. C
9. 0
10. C
11. 2/3 OF THE WORK
12. **PLZ EXPLAIN**
13. D
14. DATA MISSING! OTHERWISE X=4,6,8,12,24
15. A
16. C
17. B (IF ANGEL IS FOR TRIANGLE)
18. D
19. 13

CORRECT ME IF WRONG...

1. 33

2. approximately 14

3. 4x (??)

4. 270

5. 6a^2

6. A or B, depending on which direction is point P moving - if left, then A, if right then B.

7. see October 6th thread

8. C

9. 1

10. C

11. 2/3

12. ??? I think 30, correct me if I'm wrong!

13. D

14. D

15. A

16. C

17. B in two figures on bottom and right are squares (then right triangle is isosceles and angle A=45), if not then D

18. D

19. 13

1. 33
2. around 14
3. D don't know the figure
4. 270
5. 6a^2
6. D don't know p goes which direction
7. the same with 2009-10-7 2nd
8. C
9. 0
10. C
11. 2/3
12. 25
13.D
14. the same with 2009-10-7 7th
15. A
16. C
17. D
18. D
19. D

9. 0

pcc5139839,

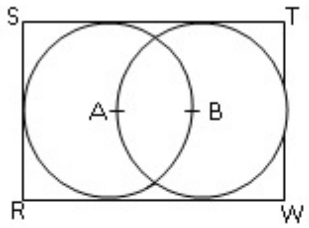
please, explain how you get 25 in 12th question? I think the answer is 5!/2!*2!=30.

1. 33
2. 14 (approx.)
3. Cannot be determined as the length of fourth side can be anything (but non-zero)!
4. 270
5. 6a^2

6. A or B
7. [-5-sqrt(21)]/6a to [-5+sqrt(21)]/6a { 'a' - arithmetic mean }
8. C
9. 0
10. C
11. 13/15
12. No. of combinations possible: 30
13. E
14. D
15. A
16. C
17. B (From the figure, it seems to be 45 45 90 triangle)
18. D
19. 13 (Did manually, please explain the technique)

PLEASE TELL ME IF I'M WRONG SOMEWERE!

1.

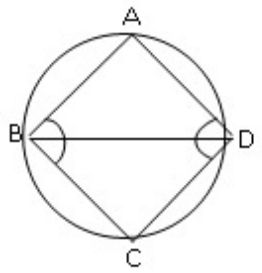


Given that three sides of the rectangle RS, ST and TW as the tangents to the two circles whose centres are 'A' and 'B'. If 'C' is the circumference of each circle, then what is the area of the rectangle RSTW?
A. (1/2)*(C/π)^2
B. (3/4)*(C/π)^2
C. (1/4)*(C/π)^2
& so on……

2. Given |2x + 7| < 13
Col A: x^2
Col B: 9

3. Col A: Standard Deviation of {21, 22, 23, 24, 25}
Col B: Standard Deviation of {221, 222, 223, 224, 225}

4.



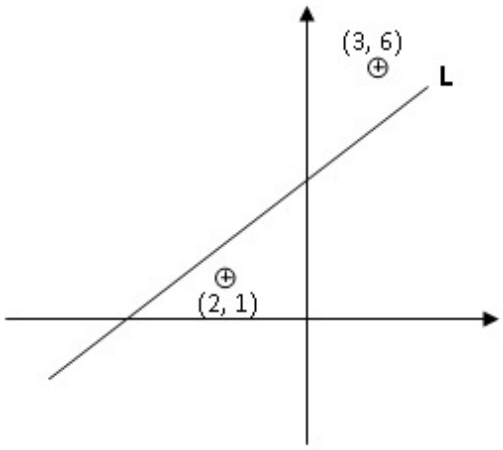
Col A: <ABC + <ADC
Col B: 180°

5. Col A: 0.9999/0.9998
Col B: 1.0002/1.0001

6. Col A: [sqrt(28)/sqrt(112)] – [sqrt(7)/sqrt(112)]
Col B: 1/4

7. Last year, 1/4 of factory workers are architects. One year ago 60 workers newly joined in which 50 are architects and no one left the factory since last year and if now 1/3 of factory workers are architects then find the total number of workers?
(Similar to this)

8.



What is the slope of the line 'L'?

9. If a sum of $2000 is given at the rate of 'r%' for 1year on simple interest and at the end of 1 year, if $150 is the interest, then find value of r?
(Similar to this)

10. Which of the following is greatest?
A. 0.001 X 0.107863
B. 100 X 1.07863
C. 1000 X 10.7863
& so on……

11. Given that a set 'N1' has five different numbers and 'N2' has five different numbers and none of them have common numbers. If one number is selected from N1 and one number is selected from n2, then how many different combinations are possible?

12. Given an equation of a line 'k' as ax + by + c = 0. Which of the following is true?
I. If a is positive then x intercept is positive.
II. If b is positive then slope is positive
III. If a and b are negative then slope is negative
A. I only
B. II only
C. III only
D. II and III
E. I and III

13. Col A: (1/25 + 1/26 + 1/27 + 1/28 + 1/29 + 1/30)

Col B: 0.2

14. For a given series P1, P2, P3.....Pn; P1= 1. And for n>=2, if P(n+1) = 5Pn + 4, find Pi such that 'i' is the smallest number divisible by 7?
Note: 1, 2, 3, i, n and n+1 are suffixes.

15. When 27 is divisible by a positive integer x, then the remainder is 3
Col A: x
Col B: 6

16. Given Standard Deviation of three numbers x, y, z as 'd', then
Col A: Standard Deviation of x + 1, y + 1 and z + 1
Col B: d + 1

17. If 5^3w + 5^2x + 5y + z = 0, then what is value of w+x+y+z?

18. Which of the following is not a factor of 14^3?
A. 98
B. 28
C. 14
D. 16
& so on.....

19. A circle is given with radius 4 and chord of length 4 joins the point A and B on circle and they asked to find the arc length AB?

20. Given 'rst' not equal to zero.
Col A: -rst
Col B: rst

21. If x and y are some odd numbers greater than 10, then which of the following is an even number?
A. x^y + 2
B. xy + 2
& so on.....

22. For every month, there is a 10% increase in something which is termed as x what is the total increase at the end of 7th month?

1. (3/2)*(C/n)^2
2. D
3. C
4. D
5. A
6. C
7. 420
8. 5

9. 7.5%
10. C
11. 25
12. C
13. A
14. 3
15. D
16. B
17. ?
18. D
19. (4/3)*(PI)
20. D
21. ?
22. (1.1)^7 is about 2

Plz inform me if any error, thx

7. Solution

Orginally:
Total **F**actory workers; **A**rchitects
F*(1/4)=A

Now:
(1/3)*(F+60)=A+50

so, F=4A=360
then Now total workers is 360+60=420

Please solve these questions

1,3,7,8,16,19,21,22

And also tel me hw to find standard deviation..

please solve this question.....

8.
[img]http://i321.photobucket.com/albums/nn375/ravali214/5-6.jpg[/img]
What is the slope of the line 'L'?

13. Col A: (1/25 + 1/26 + 1/27 + 1/28 + 1/29 + 1/30)
Col B: 0.2

21. If x and y are some odd numbers greater than 10, then which of the following is an even number?
A. x^y + 2
B. xy + 2
& so on……

22. For every month, there is a 10% increase in something which is termed as x what is the total increase at the end of 7th month?
[/b][/quote][code][/code]

1. Given a number 990. Find how many distinct prime factors other than 2 are possible for 990?

2. Col A: (1-2+3)!
Col B: 1!*2!*3!

3. Given a figure with circle in which a line passes through the centre and another line is a tangent at the bottom of the circle. These two lines are parallel. Now a line is drawn connecting the two points where the lines cut across the circle and it's a hypotenuse. Asked the angle formed by the line?

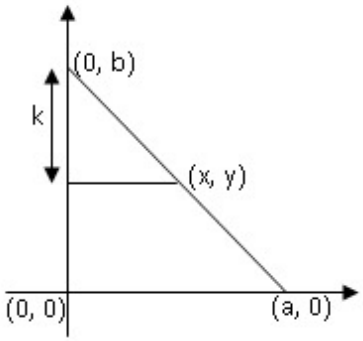
4. Given a set of values: {k-1, k, k+1, k+2, K+3}. Find the ratio of mean and median?

5. Col A: Area of rectangle whose perimeter 20
Col B: Area of rectangle whose perimeter 24

6. Given a series a1, a2…….an. If a1 = -9, a2 =-4 and an = a(n-1) - a(n-2), then find the sum of first 100 numbers in the series?
[NOTE: 1, 2, (n- 2), (n-1) and n in the above question are subscripts].

7. Given that 'P' takes 4 hours to complete a work, 'Q' takes 6 hours to complete the same work and 'R' takes 8 hours to complete the same work. If three persons work together to complete the same work, what is the percentage work done by 'P'?
(Similar to this)

8.



What is the value of (x, y)?

9. In an apartment 92% have cars and 14% have bikes and everyone in the apartment have either bike or a car.
Col A: Fraction of the people having car as well as bike
Col B: 1/10

10. If 0 < x < 20 and y = 2x + 3, then
Col A: The different solutions available for Y if it has to be an integer
Col B: 20

11. Col A: (1/25 + 1/26 + 1/27 + 1/28 + 1/29 + 1/30)
Col B: 0.2

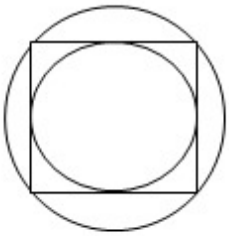
12. Given (1/(x+y)) – 1 + (1/(x-y)) – 1 = 4. Which of the following must be true?
I. x = 2
II. y = 0
III. y = -1
A. Only I
B. Only II
C. Both I and III
& so on…….

13. If x and y are positive integers and x - y is an even number, then
Col A: The remainder when x^2 + y is divided by 2
Col B: 0

14. Given a circle with length of arc as '3π/2' and area of the sector as 'π'. Find is the value of radius of the circle?

15. Given a series 3, 3^2, 3^3, 3^4, 3^5.
Col A: Arithmetic mean of the series
Col B: Median of the series

16.



Find the ratio of smaller circle area to bigger circle area?

17. Given a polygon of 12 sides. What is the measure of the interior angle of the polygon?

18. There are two table 'S' and 'T' and having some number of coins on each of them, when 3 coins are taken from 'S' and put it on 'T', then they have same number of coins on each table. If 7 coins are taken from 'T' and put on 'S' then the number of coins on 'T' will be three times the number of coins on 'S'. Then find the total number of coins on both 'S' and 'T'?

19. Given x + y = 4 and 2x + 3y = 7.
Col A: x
Col B: y

please correct me if i m wrong.....

1.3
2.B
3.QUESTION NOT UNDERSTOOD
4.3K+5/K+1
5.D
6.0 OR 1...PLS TEL ME WHICH IS WRITE AND HOW
7.
8.
9.A
10.B
11.A
12.
13.D
14.R=4
15.A
16. 1:2
17.150
18.27
19.A

PLEASE GUYS HELP ME AND TEL ME WHAT IS THE ANS FOR THE UNSOLVED 1'S.